

ABSTRACT OF THE DISCLOSURE

An image reproduction apparatus that can select arbitrary video/audio data among plural MPEG transport streams which have been recorded in a storage medium at different times, and can re-multiplex the selected video and audio data into one MPEG transport stream to be reproduced. When a MPEG transport stream is recorded in the storage medium, a reference clock is generated from Program_clock_reference in the stream, and then the MPEG transport stream is recorded with the generated reference clock being attached thereto as an Arrived Time Stamp. At the start of reproduction, a common PCR is generated on the basis of the ATS value to be used as a video/audio PCR. Further, as for PTS and DTS, the difference value in the ATS of packets having PTS and DTS in the same video/audio is calculated, and the video or audio is outputted so as not to vary the difference value.